

Year: 8

Subject: Design & Technology 10 weeks: Toothbrush/ Phone Holder

Term	Week	Focus	Summary	Learning Outcomes	Parental Support	Indenpendant Learning
1A	1	Plastics- Toothbrush/ Phone Holder.  Introduction to project	Introduction to lesson. To identify tools, discuss types of plastic e.g. thermo plastics and thermosetting plastics and their differences and discuss acrylic which will be used in their project.  Discuss the limitations and considerations of the project. Discussion about the brief, what is the brief then students will write up the brief followed by the analysis.	To be able to name tools and different type of plastic identified for the project.  Students to complete writing brief and analysis	Encourage students to have a discussion with their parents on the project they will be doing.	
	2	Plastics- Toothbrush/ Phone Holder.  Research and investigation	Design cover sheet <b>Discuss and take ideas from students</b> , research explain what is possible to make  Discussion on various types of Toothbrush/Phone holder shapes found on the market and on the internet is first investigated into and then put together on an investigation sheet.	Students will be able produce a cover sheet for toothbrush/phone holder and to produce various ideas for the project.  Students will be able to create different shapes for their toothbrush/phone holder and develop these ideas.		Students will do an investigation on different toothbrush/phone holders on the market to come up with their own ideas.

3	Plastics- Toothbrush/ Phone Holder.  Drawing of Ideas	Discuss ideas that students have drawn, <b>and then each student has to choose a design that is practical and within their ability to make, draw an enlarged size and then a development drawing showing measurements and where shapes etc need to be.</b>	Students will be able to choose what design they will be able to make according to their ability.		
4	Plastics- Toothbrush/Phone Holder  Produce final solution	Continue design work - colouring etc. Draw final solution. <b>Students must then draw templates (taking sizes from their development drawing) on a given piece of card (300mmx 100mm), transfer onto their given pieces of acrylic ( plastic).</b>	Students will be able to complete final solution and produce a template.		
5	Plastics- Toothbrush/ Phone Holder  Start Project	<b>Explain and make students aware of health and safety in the workshops. Start practical – Name out the different types of tools and demonstrate how to saw, file and sanding techniques. Also explain how the acrylic should be held in the vice and cutting it to shape. I DO, WE DO, YOU DO.</b>	Students will be able to start making their project after learning about the tools used and sawing and filing technics.		
6	Plastics- Toothbrush/ Phone Holder	Continue practical – Demonstrate the filing techniques when using	Students will be able to improve their work by filing the acrylic edges		After demonstration on filing technics, students will work

		Practical work	different types of files to make different shapes. The acrylic edges to be filed to the shape of their work neatly. <b>I DO, WE DO, YOU DO.</b>			independently for the next few weeks.
	7	Plastics- Toothbrush/ Phone Holder  Practical work	Continue practical - proceed with any of the above tasks if not completed. Once completed students must make sure all edges of their projects are smooth and clean.	Students will continue to improve their work.		
	8	Plastics- Toothbrush/ Phone Holder  Practical work	Continue practical - proceed with any of the above tasks if not completed. <b>The teacher will now assist the pupil to sand the rough edges off, and then pupils will continue to sand with wet and dry sandpaper till smooth.</b> (Teacher can give assistance whenever appropriate).	Continue to improve their work for final finish using wet and dry paper.		

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1B	9	Plastics- Toothbrush/ Phone Holder.  Practical work	Continue practical - proceed with the sanding till smooth. The projects can now be heated and bent to shape.	To improve finishing touches to their work ready to be bent to shape.		
	10	Plastics- Toothbrush/Phone Holder.  Finalizing project and evaluation.	Continue from previous week work and final finishing of pro	Students will fill in evaluation sheet and do final polishing of work.		


Term	Week	Focus	Summary	Learning Outcomes	Parental Support	Indenpendant Learning
<b>2A</b>						

Term	Week	Focus	Summary	Learning Outcomes	Parental Support	Indenpendant Learning
<b>2B</b>						

Term	Week	Focus	Summary	Learning Outcomes	Parental Support	Indenpendant Learning
<b>3A</b>						

